

IN THE SPECIFICATION:

Please amend the paragraph beginning at page 24, line 25, and ending at page 25, line 4, as follows:

--For example, TD2 shown in FIG. 7 indicates the standard exposure time  $t$  that is obtained by subdividing the time interval between the minimum X-ray exposure time  $T_s(t)$  and the maximum X-ray exposure time  $T_E(t)$  by a ratio of ~~2:5~~ 5:2.--

Please amend the paragraph beginning at page 26, line 20, and ending at page 27, line 7, as follows:

--In the imaging method object, a number of imaging method parameters and standard imaging conditions corresponding to an imaging region are set. Since the standard exposure time  $t$  under the standard imaging conditions is associated with the grid table in one-to-one correspondence as already discussed with reference to FIG. 7, the grid table is also set in the imaging method object. Specifically, when the operator selects the imaging method object, the standard imaging time (the standard exposure time)  $t$  set beforehand corresponding to the selected imaging method object is displayed, and the grid table  $T_s \leq T \leq T_E$  responsive to the standard imaging time  $t$  is thus selected.--

Please amend the paragraph beginning at page 27, line 14, and ending at page 27, line 19, as follows:

--When the object 120 is X-ray imaged in this way, the captured X-ray image is displayed on the image display area 825 as shown in FIG. 8B. When the modification button 850 is pressed with the ~~image~~ image method object selected as shown in FIG. 8B, the display presented by the touch panel 810 changes to the one shown in FIG. 8C.--

Please amend the paragraph beginning at page 34, line 14, and ending at page 34, line 24, as follows:

--If the grid table set in each imaging method object ~~determines~~ is determined to fail to satisfy the actual X-ray exposure time (from statistics of past X-ray exposure times), the grid table satisfying the X-ray exposure time during imaging is automatically selected. The selected grid table is again set in the imaging method object. Even if a proper grid table is not set in one of score of imaging types, a grid table, which may be inappropriate, is replaced with another appropriate grid table which is considered more appropriate from the statistics of past X-ray exposure times.--